

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number  
**WO 2005/092400 A1**

(51) International Patent Classification<sup>7</sup>:  
A01M 1/20

A61L 9/03,

(74) Agents: LIEBL, Thomas et al.; Fauststrasse 30, 85051  
Ingolstadt (DE).

(21) International Application Number:

PCT/EP2004/003193

(22) International Filing Date: 26 March 2004 (26.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant (for all designated States except US): C.T.R.  
CONSULTORIA TECNICA E REPRESENTACOES,  
LDA. [PT/PT]; Consultoria Técnica e Representações,  
Lda., Av. dos Bombeiros Voluntários, nr. 677, P-2775-169  
Parede (PT).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

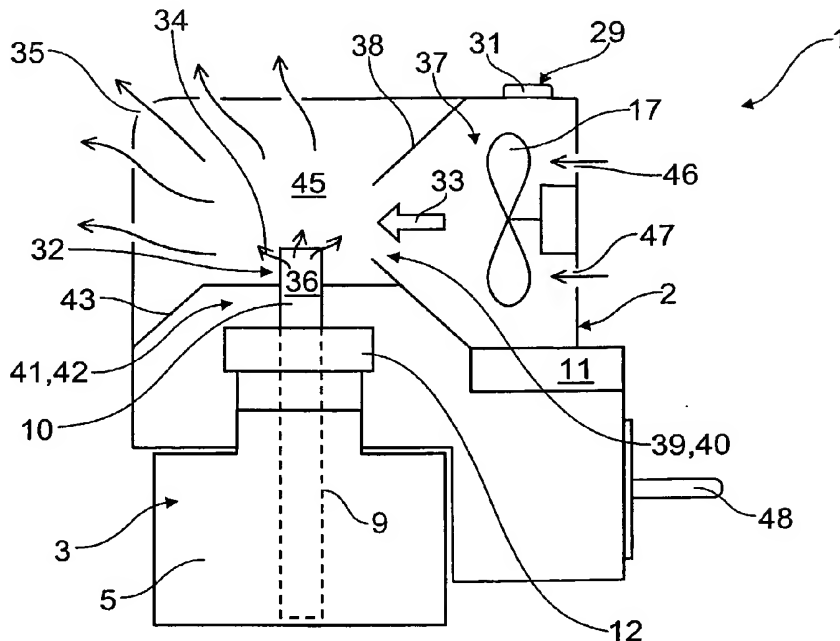
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-  
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,  
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

[Continued on next page]

(72) Inventor; and

(75) Inventor/Applicant (for US only): QUEIROZ VIERA,  
Pedro [PT/PT]; Rua do Pinhal Bravo, Lote 6, Casa A,  
Quinta da Marinha, P-2750-004 Cascais (PT).

(54) Title: DEVICE FOR THE EVAPORATION OF VOLATILE SUBSTANCES, IN PARTICULAR OF AROMATICS AND/OR  
INSECTICIDES



(57) Abstract: The invention relates to a device (1) for the evaporation of volatile substances, especially of aromatics and/or insecticides, with a housing (2) in which a receptacle arrangement (3; 6) is insertable, having at least two receiving chambers (4, 5; 7, 8), with one substance each to be evaporated being incorporated in said receiving chambers (4, 5; 7, 8) and with one wick (9) each being insertable into said receiving chambers (4, 5; 7, 8), said wick (9) protruding with one wick end (10) from the corresponding receiving chamber (4, 5; 7, 8) in said receptacle arrangement (3; 6) connected with said housing (2). At least one heater arrangement (12; 14) is incorporated in said housing (2), by means of which said wick ends (10) or, respectively, a near wick-end evaporation area (32) can be provided directly or

indirectly with heat. Furthermore at least one fan and/or ventilator equipment (17) for generating a well-targeted air stream (33) is provided. The device (1) also has at least one control equipment (11) by means of which said heater arrangement (12; 14) can be controlled such that, optionally, at least one of the substances incorporated in said receiving chambers (4, 5; 7, 8) are evaporated and by means of which said fan and/or ventilator equipment (17) is controllable such that they can be switched on specifically at defined evaporation times.





TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*